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DATE MAILED: 03/21/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

22913 7590 03/21/2008 WORKMAN NYDEGGER

60 EAST SOUTH TEMPLE 1000 EAGLE GATE TOWER SALT LAKE CITY, UT 84111 EXAMINER
PRINCE, KAILI
ART UNIT PAPER NUMBER
2874

 APPLICATION NO.
 FILINO DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 10/549/952
 09/25/2006
 Urban Eriksson
 15436.861.2A.1
 1348

TITLE OF INVENTION: OPTICAL MODULATOR AND A METHOD FOR ADAPTING AN OPTICAL MODULATOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/23/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	or transmitting the ng the Patent, adv nerwise in Block	ance or l, by (a	ders and notification of its specifying a new corres	naintenance fees w spondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence address trate "FEE ADDRESS"	for
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CFR 1.363). Change of correspondence address (or Change of Correspondenc Address form PTOSB/122) attached. The Address' indication (or "Fee Address" Indication form PTOSB/12 to or more recent) attached. Use of a Custome Number is required.			omer	(I) the names of up to or agents OR, alternati (2) the name of a singl registered attorney or 2 registered patent atto listed, no name will be	vely, the firm (having as a agent) and the name racys or agents. If printed.	memb	er a 2		_
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- 11	s SMALL ENTITY state	is. See 37 CFR 1.2		☐ b. Applicant is no lon					
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be a tes Patent and Tra	ccepted demark	d from anyone other than t Office.	he applicant; a regi	stered.	attorney or agent; or th	e assignee or other party	/ in
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	10/549,952	09/25/2006		Urban Eriksson	15436.861.2A.1	1348										
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	٦
10/549,952	ERIKSSON ET AL.	
Examiner	Art Unit	٦
KA II I PRINCE	2874	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-68) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Officer cure matition by the applicant. See 27 CEPT 1431 and MDEP 1309.

	OL-85) or other appropriate communication will be mailed in due course. THIS ENT RIGHTS. This application is subject to withdrawal from issue at the initia R 1.313 and MPEP 1308.
1. This communication is responsive to Applicant's An	guments filed 25 February 2008.
 The allowed claim(s) is/are <u>1-14</u>. 	
	ts have been received. ts have been received in Application No brity documents have been received in this national stage application from the
Applicant has THREE MONTHS FROM THE "MAILING noted below. Failure to timely comply will result in ABAN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	
	e submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF ich gives reason(s) why the oath or declaration is deficient.
CORRECTED DRAWINGS (as "replacement sheet	s") must be submitted.
.,_	aftsperson's Patent Drawing Review (PTO-948) attached
1) hereto or 2) to Paper No./Mail Date	
(b) ☐ including changes required by the attached Exa Paper No./Mail Date	aminer's Amendment / Comment or in the Office action of
Identifying indicia such as the application number (see 3 each sheet. Replacement sheet(s) should be labeled as s	7 CFR 1.84(c)) should be written on the drawings in the front (not the back) of uch in the header according to 37 CFR 1.121(d).
	e deposit of BIOLOGICAL MATERIAL must be submitted. Note the MENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application

- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 6. Interview Summary (PTO-413),
- Paper No./Mail Date _____.
 7. Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other _____.

/Michelle R. Connelly-Cushwa/ Primary Examiner, Art Unit 2874 Application/Control Number: 10/549,952 Page 2

Art Unit: 2874

DETAILED ACTION

Response to Amendment

Applicant's Amendment filed 25 February 2008 has been fully considered and entered.

Response to Arguments

Applicant's Arguments, see pages 5-9, filed 25 February 2008, with respect to claims 1-10 have been fully considered and are persuasive. The rejection of claims 1-10 has been withdrawn.

Reasons for Allowance

Claims 1-14 are allowed. The following is an examiner's statement of reasons for allowance: Applicant's Arguments, regarding claims 1-10, on page seven (7) of Applicant's response to the previous Office Action. Specifically, with regard to Lam et al. failing to positively teach that the transmission line be longer than the optical waveguide.

Lam et al. teaches varying the length of the transmission line in an undulating path over the length of the waveguide (paragraph 32), in order to add inductance to the transmission line without adding to intrinsic capacitance. The reference further teaches that the length of the transmission line can be varied independently of the optical line (paragraph 14). However, there is no positive teaching or suggestion in the reference that the transmission line be longer than the optical waveguide. Further, the reference teaches a device with a total waveguide length that is five times that of conventional devices (paragraph 34).

Hence, there would have been no reason or motivation for one of ordinary skill in the art to have used the prior art to make the invention of claims 1 and 6. Claims 2-5 depend from 1, Art Unit: 2874

and claims 7-10 depend from claim 6. Claims 11-13 were previously indicated allowable for the reasons set for the in the previous Office Action. Newly added claim 14 depends from claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAJLI PRINCE whose telephone number is (571)270-1280. The examiner can normally be reached on Monday & Wednesday-Friday, 6:00am to 5:00pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/549,952 Page 4

Art Unit: 2874

/Kajli Prince/ Acting Examiner of Art Unit 2874

/Michelle R. Connelly-Cushwa/ Primary Examiner, Art Unit 2874 March 17, 2008